

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Beachy et al.

Serial No: 09/708,964

Filed: November 8, 2000

For: Inhibitors of Hedgehog Signaling
Pathways, Compositions and Uses
Related Thereto

Attorney Docket No. JHUC-P04-010

Art Unit: 1616

Examiner: B. Badio

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FEE VALUE ACCOUNTABILITY	
DEPOSIT ACCOUNT NO.	
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CERTIFICATE OF FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the United States Patent and Trademark Office, Fax No. 703-308-4556, on the date indicated below:

February 8, 2002

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Karen DiRocco
Karen DiRocco

Assistant Commissioner of Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Please enter the following amendments:

In the claims:

For the convenience of the Examiner, all claims being examined, whether or not amended, are presented below. Please cancel claims 3-14, 24, and 26 without prejudice.

- Sub
C1
- 02/25/2002 TSUGGS 00000002 181943 09788964
01 FC:202 110.00 CH
1. (Amended) A method for inhibiting unwanted activation of a *hedgehog-patched* pathway in an animal, comprising administering to the animal a composition comprising a purified organic molecule having a molecular weight less than 750 amu in an amount sufficient to reduce the activation of the *hedgehog-patched* pathway in a cell, wherein the organic molecule binds to *smoothed* and lessens the severity of a *hedgehog* gain-of-function, *patched* loss-of-function, or *smoothed* gain-of-function phenotype.

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